CIVIL TECH LABS

5, 1st Cross, Srinivasa Colony, Mission Road, Bangalore - 560027
Ph: 080 - 4114 2867, Email: civiltechlabs@gmail.com

TEST REPORT

TEST ON WMM MIX

Name & Address of the Customer	AEE, Yelahanka New Town Sub Division, BBMP
Name of Work	Construction of RCC lead of drain and asphalting to roads in A sector in ward no: 04
Name of the Agency	M/s. Technical Manager (West)
Date of Testing	07/11/2014
Reference	MORTH Table 400-11

	Sample-2		
IS Sieve Designation (mm)	**% By Weight Passing IS Sieve**	**Actual % By Weight Passing IS Sieve**	**Remarks**
53	100	100	**Satisfies Requirements**
45	95-100	98.3	
22.4	60-80	73.6	
11.2	40-60	54.2	
4.75	25-40	31.9	
2.36	15-30	22.5	
0.6	8-22	16.3	
0.075	0-8	6.8	

Note:

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AE W-4

Lab Incharge
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TEST REPORT

TEST ON WMM MIX

Name & Address of the Customer	AEE, Yelahanka New Town Sub Division, BBMP
Name of Work	Construction of RCC lead of drain and asphalting to roads in A sector in ward no: 04
Name of the Agency	M/s. Technical Manager (West)
Date of Testing	07/11/2014
Reference	MORTH Table 400-11

	Sample-1		
IS Sieve Designation (mm)	**% By Weight Passing IS Sieve**	**Actual % By Weight Passing IS Sieve**	**Remarks**
53	100	100	**Satisfies Requirements**
45	95-100	98.9	
22.4	60-80	74.5	
11.2	40-60	55.2	
4.75	25-40	32.4	
2.36	15-30	23.4	
0.6	8-22	17.1	
0.075	0-8	6.3	

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TEST REPORT

TEST ON CEMENT

Name & Address of the Customer	ABB, Vellalanka, New Town Sub Division, BDMP
Name of Work	Construction of RCC lead of drain and asphalting to roads in A sector in ward no: 04
Name of the Agency	M/s. Technical Manager (West)
Date of Testing	30/10/2014

Tests	Test Method As Per IS & Apparatus		Results		Requirements As Per IS 8112:1989	Remarks
	IS Code	Method	Value	Unit		
Initial Setting Time	IS-4031 (Part-5) 1988	VICAT	31	min	Not Less Than 30 Minutes	Satisfies Requirement
Final Setting Time	IS-4031 (Part-5) 1988	VICAT	487	min	Not More Than 600 Minutes	Satisfies Requirement
Soundness	IS-4031 (Part-3) 1988	LE-CHATELIER	3	mm	Not More Than 10 mm	Satisfies Requirement

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TEST REPORT

TEST ON FINE AGGREGATES Ref:IS:383/1970

Name & Address of the Customer	AEE, Yelahanka New Town Sub Division, BBMP
Name of Work	Construction of RCC lead of drain and asphalting to roads in A sector in ward no: 04
Name of the Agency	M/s. Technical Manager (West)
Date of Testing	10/10/2014
Specific Gravity	2.55

Sample	IS Sieve designation (mm)	Sieve Analysis (% Passing IS Sieve)	Grading Requirement as per IS:383-1970				Grading Zone
			ZONE-I	ZONE-II	ZONE-III	ZONE-IV	
River Sand	10	100	100	100	100	100	II
	4.75	98.2	90-100	90-100	90-100	95-100	
	2.36	84.3	60-95	75-100	85-100	95-100	
	1.18	77.2	30-70	55-90	75-100	90-100	
	0.6	43.4	15-34	35-59	60-79	80-100	
	0.3	22.6	5-20	8-30	12-40	15-50	
	0.15	8.3	0-10	0-10	0-10	0-15	

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TEST REPORT

TEST ON COARSE AGGREGATES 20mm ↓ Graded Ref:IS:383/2386

Name & Address of the Customer	ASE, Yelahanka New Town Sub Division, BBMP
Name of Work	Construction of RCC lead of drain and asphalting to roads in A sector in ward no: 04
Name of the Agency	M/s. Technical Manager (West)
Date of Testing	10/10/2016
Specific Gravity	2.62
Water Absorption in %	0.31

IS Sieve Designation (mm)	Sieve Analysis (% Passing IS Sieve)	Grading Requirement as per IS:383-1970 (Reaffirmed 2011)	Remarks
40	100	100	Satisfies the requirement
20	99.1	95-100	
10	34.2	25-55	
4.75	8.3	0-10	

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TEST REPORT

TEST ON COARSE AGGREGATES 40mm ↓ Graded Ref:IS:383/2386

Name & Address of the Customer	AEE, Yelahanka New Town Sub Division, BBMP
Name of Work	Construction of RCC lead of drain and asphalting to roads in A sector in ward no: 04
Name of the Agency	M/s. Technical Manager (West)
Date of Testing	10/10/2014
Specific Gravity	2.65
Water Absorption in %	0.28

IS Sieve Designation (mm)	Sieve Analysis (% Passing IS Sieve)	Grading Requirement as per IS:383-1970 (Reaffirmed 2011)	Remarks
80	100	100	Satisfies the requirement
40	98.7	95-100	
20	55.4	30-70	
10	22.3	10-35	
4.75	3.4	0-5	

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TEST REPORT

TEST ON REINFORCEMENT STEEL BARS 12mm

Name & Address of the Customer	AEE, Yelahanka New Town Sub Division, BBMP
Name of Work	Construction of RCC lead of drain and asphalting to roads in A sector in ward no: 04
Name of the Agency	M/s. Technical Manager (West)
Date of Test	17/10/2014

Sl.No.	Description	Result	IS 1786-1985 Min. Requirements	Remarks
1	Measured Diameter mm	12	12	Satisfactory
2	Wt/m Length (Kg/m)	0.889	0.888	Satisfactory
3	Bend & RebendTest	Pass	Should not Crack or Fracture	Satisfactory
4	Elongation (%)	15.1	14.5	Satisfactory
5	Yield Stress(N/Sq.mm)	434	415	Satisfactory
6	U T S (N/Sq.mm)	542	485	Satisfactory

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TEST REPORT

TEST ON REINFORCEMENT STEEL BARS 10mm

Name & Address of the Customer	AEE, Yelahanka New Town Sub Division, BBMP
Name of Work	Construction of RCC lead of drain and asphalting to roads in A sector in ward no: 04
Name of the Agency	M/s. Technical Manager (West)
Date of Testing	17/10/2014

Sl.No.	Description	Result	IS 1786-1985 Min. Requirements	Remarks
1	Measured Diameter mm	10	10	Satisfactory
2	Wt/m Length (Kg/m)	0.618	0.617	Satisfactory
3	Bend & RebendTest	Pass	Should not Crack or Fracture	Satisfactory
4	Elongation (%)	14.9	14.5	Satisfactory
5	Yield Stress(N/Sq.mm)	429	415	Satisfactory
6	U T S (N/Sq.mm))	536	485	Satisfactory

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